



## DEQ AIR QUALITY PROGRAM

1410 N. Hilton, Boise, ID 83706

For assistance, call the 373 648

Air Permit Hotline-1-877-5PERMIT

## PERMIT TO CONSTRUCT APPLICATION

Revision 4

04/18/07

RECEIVED

MAY - 7 2007

Please see instructions on page 4 before filling out the form.

## GENERAL INFORMATION

DEPARTMENT OF ENVIRONMENTAL QUALITY  
STATE A Q PROGRAM

Company Name:	Doloughan Const LLC DBA Lost River Ready Mix		
Facility Name:	Mackay Plant	Facility ID No:	#TBD
Brief Project Description:	Construct & operate a Portable Concrete Batch Plant Facility on line Power in order to sell Ready Mix Concrete & Precast on site material		
Mailing Address:	898 Lemhi Rd Email: R.Doloughan@yahoo.com		
City:	Salmon ID	State:	Idaho
Zip Code:	83467	County:	USA
General Nature of Business & Products:	Ready Mix Concrete and Precast Products		

Contact Name, Title:	RORY Doloughan President	
Phone:	Cell: (208) 940-0650	
Email:	R.Doloughan@yahoo.com	

Owner or Responsible Official Name, Title:	RORY Doloughan - President Cassie Doloughan Treasurer	
Phone:	(208) 940-0650	
Email:	R.Doloughan@yahoo.com	

Proposed Initial Plant Location:	Approx 7mi South Mackay Hwy 93 Sec 10 & 11 T6N 25E	
Nearest City:	Mackay	Estimated Startup Date: ASAP. ie. June-July 07
County:	Custer	

Reason for Application:	<input checked="" type="checkbox"/> Permit to construct a new source <input type="checkbox"/> Permit to operate an existing unpermitted source <input type="checkbox"/> Permit to modify/revise an existing permitted source (identify the permit below) Permit No.: Issue Date: Facility ID:
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☒ Check here to indicate you would like to review a draft permit prior to final issuance.

## Comments:

15 day Application

**CONCRETE BATCH PLANT INFORMATION****1. Concrete Batch Plant**

Manufacturer:	England Welding & Fabrication Co.	Model:	N/A
Manufacture Date:	Currently under construction		
Maximum Hourly Throughput:	75 (cy/hour)		
Maximum Daily Throughput:	1800 (cy/day)		
Maximum Annual Throughput:	657000 (cy/year)		
Requested Annual Throughput:	10000 (cy/year)		

**2a. Cement Storage Silo Baghouse No.**

Manufacturer:	Fastway	Model:	Silo #4
Stack Height from Ground:	36' 8 1/2" (ft)	Exit Air Flow Rate:	(acfm) 2450 CFM max
Stack Inside Diameter:	8' 5" (ft)	* PM <sub>10</sub> Control Efficiency:	(%) 99.8
* Manufacturer Grain Loading Guarantee:			
* Attach manufacturer's PM <sub>10</sub> control efficiency if available.			

**2b. Cement Storage Silo Baghouse No.**

Manufacturer:		Model:	
Stack Height from Ground:	(ft)	Exit Air Flow Rate:	(acfm)
Stack Inside Diameter:	(ft)	* PM <sub>10</sub> Control Efficiency:	(%)
* Manufacturer Grain Loading Guarantee:			
* Attach manufacturer's PM <sub>10</sub> control efficiency if available.			

**2c. Cement Supplement (such as flyash) Storage Silo Baghouse No.**

Manufacturer:		Model:	
Stack Height from Ground:	(ft)	Exit Air Flow Rate:	(acfm)
Stack Inside Diameter:	(ft)	* PM <sub>10</sub> Control Efficiency:	(%)
* Manufacturer Grain Loading Guarantee:			
* Attach manufacturer's PM <sub>10</sub> control efficiency if available.			

**2d. Cement Supplement (such as flyash) Storage Silo Baghouse No.**

Manufacturer:		Model:	
Stack Height from Ground:	(ft)	Exit Air Flow Rate:	(acfm)
Stack Inside Diameter:	(ft)	* PM <sub>10</sub> Control Efficiency:	(%)
* Manufacturer Grain Loading Guarantee:			
* Attach manufacturer's PM <sub>10</sub> control efficiency if available.			

**3. Weigh Batch Baghouse(s)**

Manufacturer:		Model:	
Stack Height from Ground:	(ft)	Exit Air Flow Rate:	(acfm)
Stack Inside Diameter:	(ft)	* PM <sub>10</sub> Control Efficiency:	(%)
* Manufacturer Grain Loading Guarantee:			
* Attach manufacturer's PM <sub>10</sub> control efficiency if available.			

**ELECTRICAL GENERATOR SET INFORMATION (if applicable)**


Manufacturer:		Model:	
Maximum Rated Capacity:		<input type="checkbox"/> Hp	<input type="checkbox"/> kW
Fuel Type:		<input type="checkbox"/> Gasoline	<input type="checkbox"/> Diesel <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane
Maximum Fuel Usage Rate:		<input type="checkbox"/> gal./hr.	<input type="checkbox"/> cfh
Maximum Daily Hrs. of Operations:		(hours/day)	
Maximum Annual Hrs. of Operations:		(hours/year)	
Stack Parameters:	Stack Height from Ground (ft):		Stack Exhaust Flow Rate (acfm):
	Stack Inside Diameter (ft):		Stack Exhaust Gas Temperature (°F):

**ADDITIONAL GENERATOR (if applicable)**

Manufacturer:		Model:	
Maximum Rated Capacity:		<input type="checkbox"/> Hp	<input type="checkbox"/> kW
Fuel Type:		<input type="checkbox"/> Gasoline	<input type="checkbox"/> Diesel <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane
Maximum Fuel Usage Rate:		<input type="checkbox"/> gal./hr.	<input type="checkbox"/> cfh
Maximum Daily Hrs. of Operations:		(hours/day)	
Maximum Annual Hrs. of Operations:		(hours/year)	
Stack Parameters:	Stack Height from Ground (ft):		Stack Exhaust Flow Rate (acfm):
	Stack Inside Diameter (ft):		Stack Exhaust Gas Temperature (°F):

☒ \$1,000 PTC application fee enclosed
**Certification of Truth, Accuracy, and Completeness (by Responsible Official)**

I hereby certify that based on information and belief formed after reasonable inquiry, the statements and information contained in this and any attached and/or referenced document(s) are true, accurate, and complete in accordance with IDAPA 58.01.01, 123-124.

  
 Responsible Official Signature  
 Robt Doloughan  
 Print or Type Responsible Official Name

  
 Responsible Official Title

5/07/07  
 Date



Department of Environmental Quality  
1410 N. Hilton  
Boise, ID 83706  
For assistance, call the Air Permit Hotline: 1-877-5PERMIT

DEQ - AIR QUALITY PROGRAM  
PORTABLE EQUIPMENT RELOCATION FORM

Company Name:	Dolanughan Donst, LLC DBA Lost River Ready Mix		
Phone Number:	(208) 940-0650		
Mailing Address:	898 Lemhi Rd Salmon Id 83467		
Contact:	Roby Dolanughan		
Signature:	<i>[Signature]</i>		Date: 5/07/07

Plant Type (HMA, Rock Crusher, Mfr., Model No.)		Concrete Batch Plant	
Type of Permit	Permit to Construct or Operating Permit	<input checked="" type="radio"/> Yes <input type="radio"/> No	If Yes, Facility ID: TBD
	Permit by Rule	<input type="radio"/> Yes <input checked="" type="radio"/> No	If Yes, Facility ID:
Fuel Type for Generator: N/A			
Have any major components of the plant or its air pollution equipment been replaced or modified since the plant last operated? Yes <input type="radio"/> No <input checked="" type="radio"/> If Yes, attach explanation on additional paper.			

Current Location, include county and nearest city:	Sec 10 1/2 T6N 25E 7mi. South Hwy 93		
New Location, include county and nearest city:	Same as above		
Estimated Startup Date: (month/day/year)	June 07	Estimated End Date: (month/day/year)	OK

Will Plant be co-located with another rock crusher, concrete batch, or hot-mix asphalt plant at new location?				<input checked="" type="radio"/> Yes <input type="radio"/> No
If Yes	Name of Other Company:			
	Type of Plant: <input type="checkbox"/> Rock Crusher <input type="checkbox"/> Concrete Batch <input type="checkbox"/> Hot-Mix Asphalt			
	Type of Permit	Permit to Construct or Operating Permit	<input type="radio"/> Yes <input type="radio"/> No	If Yes, Facility ID:
		Permit by Rule	<input type="radio"/> Yes <input type="radio"/> No	If Yes, Facility ID:

Will plant be operated in conjunction with a state of Idaho contract?		<input checked="" type="radio"/> Yes <input type="radio"/> No
If Yes	Contract No.:	
	State of Idaho Contact Person:	
	Phone Number:	

**THIS FORM MUST BE SUBMITTED TEN (10) DAYS BEFORE PLANT IS RELOCATED.**

A scaled plot plan identifying the property boundary of the new site must be included with this form (see Permit Application Form PP-Plot Plan for guidance).

Mail to: Air Quality Program Office - Application Processing  
Department of Environmental Quality  
1410 North Hilton  
Boise, ID 83706-1255

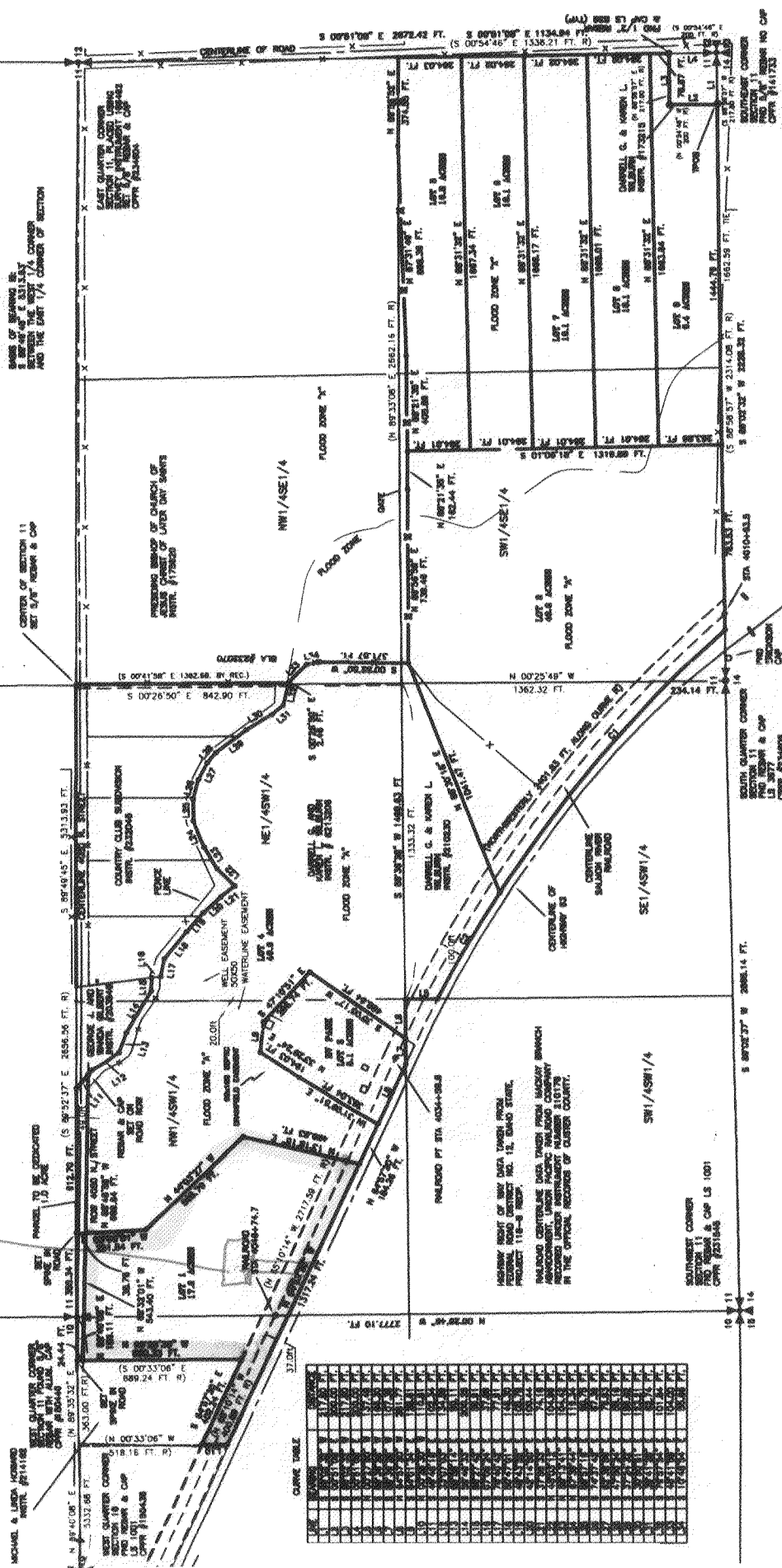
Or, Fax to: 208-373-0340  
Attn: Air Quality Program Office - Application Processing

COMBINED PRELIMINARY AND FINAL PLAT FOR  
**LONESOME DOVE SUBDIVISION**  
 PART OF SECTIONS 10 & 11,  
 TOWNSHIP 6 NORTH, RANGE 25 EAST, B.M.  
 CUSTER COUNTY, IDAHO  
 SHEET 1 OF 3

*Approx Plan Location*

CURVE TABLE

CURVE	CHORD	ARC LENGTH	CHORD BEARING	DELTA ANGLE
1	100.00	100.00	S 00°00'00" E	0°00'00"
2	100.00	100.00	S 00°00'00" E	0°00'00"
3	100.00	100.00	S 00°00'00" E	0°00'00"
4	100.00	100.00	S 00°00'00" E	0°00'00"
5	100.00	100.00	S 00°00'00" E	0°00'00"
6	100.00	100.00	S 00°00'00" E	0°00'00"
7	100.00	100.00	S 00°00'00" E	0°00'00"
8	100.00	100.00	S 00°00'00" E	0°00'00"
9	100.00	100.00	S 00°00'00" E	0°00'00"
10	100.00	100.00	S 00°00'00" E	0°00'00"



CURVE TABLE

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1	100.00	100.00	S 00°00'00" E	0°00'00"
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4	100.00	100.00	S 00°00'00" E	0°00'00"
5	100.00	100.00	S 00°00'00" E	0°00'00"
6	100.00	100.00	S 00°00'00" E	0°00'00"
7	100.00	100.00	S 00°00'00" E	0°00'00"
8	100.00	100.00	S 00°00'00" E	0°00'00"
9	100.00	100.00	S 00°00'00" E	0°00'00"
10	100.00	100.00	S 00°00'00" E	0°00'00"

SHEET 1 OF 3

**LAND SURVEYORS**  
**A. A. HUDSON**  
 AND  
**ASSOCIATES**

132 SOUTH STATE  
 PRESTON, IDAHO 83253  
 (208) 333-1156

100 EAST 2ND SOUTH  
 SONA SPRINGS, IDAHO  
 83278 (208) 347-1141

CONSULTING CIVIL ENGINEERS

COMBINED PRELIMINARY AND FINAL PLAT  
 FOR  
**LONESOME DOVE SUBDIVISION**  
 SECTIONS 10 & 11, TOWNSHIP 6 NORTH, RANGE 25 EAST, B.M.  
 CUSTER COUNTY, IDAHO

RECORDED  
 1. BY THE SURVEYOR  
 2. BY THE COUNTY CLERK  
 3. BY THE COUNTY CLERK

PROJECT NO. 04257  
 COMPLETION DATE: SEP. 2008

**RECORDS CERTIFICATE**

RECORD NO. \_\_\_\_\_  
 DATE \_\_\_\_\_  
 RECORDED BY \_\_\_\_\_  
 RECORDED BY \_\_\_\_\_  
 RECORDED BY \_\_\_\_\_

CHARGE: 04257-001

**AIR DISPERSION MODELING PROTOCOL : REQUEST TO USE DEQ GENERIC MODELING RESULTS TO  
DEMONSTRATE PRECONSTRUCTION COMPLIANCE WITH IDAHO AIR QUALITY RULES.**

Proposed Project: **Portable Concrete Batch Plant**, ~75 cy/HR ~10,000 cy/YR

Location: (if portable, identify initial location) 7mi South Hwy 93 From Mackay Idaho sec 10/11 6W 25E

- 1) An emissions inventory (EI) developed by DEQ based on the plant's capacity and proposed maximum daily and annual operations will be included with the application, and will comply with the following:
  - a. Emissions will be calculated using AP-42 emission factors and good engineering judgement.
  - b. Fugitive emissions sources will be included in the EI, except for emissions resulting from vehicle traffic and wind erosion from storage piles.
  - c. The level of emissions control assumed for each source will be clearly specified.
  - d. Cr+6 will be presumed to comprise 20% of the total chromium emissions from cement silo filling, and 30% of the total chromium emissions from cement supplement (flyash) silo filling.
- 2) The proposed project will meet all of the criteria specified below, and (Applicant name) agrees to accept permit conditions requiring continuing compliance with the physical parameters and setback distance(s) described in Table 1. (Applicant name) is requesting that the DEQ generic model results be used to demonstrate preconstruction compliance with NAAQS and TAPs for this project. No additional modeling analysis will be submitted for this project.

**Table 1. CRITERIA FOR USING DEQ's CONCRETE BATCH PLANT GENERIC MODELING RESULTS FOR AIR  
IMPACT ANALYSES**

Parameter	DEQ Generic Modeling Assumptions				Proposed Project
Concrete batch plant type and capacity	Truck mix (redi-mix or dry mix) or Central mix				<i>TRUCK MIX</i>
Operation in any PM <sub>10</sub> nonattainment area	Not proposed.				<i>NOT PROPOSED</i>
Presence of an electric generator.	No generator. Line power is available.				<i>LINE POWER</i>
<u>No Collocation.</u> Minimum distance from nearest edge of any emissions source to any other source of emissions, including another concrete batch plant, hot mix asphalt plant, or rock crushing plant.	200 meters (656 feet)				<i>&gt; 656'</i>
Number of cement and/or cement supplement storage silos	Not limited. The model layout assumes all silo emissions are from the same point, and that cement/supplement is not transferred between storage silos.				
Maximum daily concrete production (cy/day)	1,500	2,400	3,600	4,800	<i>75 cy/hr x 24</i>
<u>Minimum Setback Distance.</u> Minimum distance from nearest edge of any emissions source to a receptor. <sup>a</sup>	40 m (131 ft)	60 m (197 ft)	100 m (328 ft)	150 m (492 ft)	<i>&gt; 40m</i>
Maximum annual concrete production (cy/year)	300,000	400,000	500,000	500,000	<i>~ 10,000</i>
<u>Cement and supplement storage silo baghouse(s)</u> Minimum stack height (height above ground) Minimum PM/PM <sub>10</sub> control	10 meters (32.8 ft) 99%				<i>~ 37 ft</i>
<u>Weigh hopper loading baghouse, or equivalent</u> Minimum stack height (height above ground) Minimum PM/PM <sub>10</sub> control	10 meters (32.8 ft) 99%				<i>~ 12 ft</i>
<u>Truck-mix loadout or Central Mix loading.</u> Minimum PM/PM <sub>10</sub> control.	95% Boot enclosure, shroud, water sprays, or baghouse/cartridge filter				<i>boot</i>
<u>Transfer Point Fugitives.</u> Minimum PM/PM <sub>10</sub> control.	75% Water sprays, enclosures, shrouds, or aggregate/sand is damp on an as-received basis and used before significantly drying out.				<i>wet aggregate hand hoses</i>

Rory Doloughan

Print Name

*Rory Doloughan*

Signature

Doloughan Const LLC DSA Lest River Road

Company

*President*

Title/Position

RDoloughan@yahoo.com

208.940.0650

Telephone/E-mail

*5/7/07*

Date

FAX To: (208) 373-0340

ATTN: Cheryl Robinson

**LEGAL NOTICE**

Lost River Ready Mix has applied for an air quality permit to construct and operate a portable concrete batch plant at the location of NW ¼ SW ¼ Section 11 Township 6 N 25 E. The meeting will be held at the Mackay Kids Park at 9 a.m., Monday, May 21st, 2007.

Publish: May 10, 2007

*Proof of legal to be published this Thursday, May 10, 2007*

*Please call with questions/changes*

*Thank You,*

*Sheri Kemmerer*

*(208) 879-4445*





IDAHO DEPARTMENT OF  
ENVIRONMENTAL QUALITY

1410 North Hilton  
Boise, Idaho 83706-1253

RECEIPT

05/07/07  
DATE

RECEIVED FROM Doloughan Construction LLC

SOURCE					
Cash <input type="checkbox"/> Check <input checked="" type="checkbox"/> Money Order <input type="checkbox"/> No. <u>1021</u>					
DESCRIPTION					AMOUNT OF PAYMENT
<u>PTC Application</u>					<u>1000.00</u>
RECEIVED BY <u>ga</u>					TOTAL RECEIVED <u>1000.00</u>
PID	OBS	CA	SUB-OBJ	WP	BE

Nº 82812